

GRADING QUANTITIES

CUT 2:1 OR AS SPECIFIED IN SOILS REPORT  
FILL 2:1 OR AS SPECIFIED IN SOILS REPORT.  
EXCAVATION: 9,980 C.Y. FILL: 9,980 C.Y.  
IMPORT: 0 C.Y.  
CUT MAX HEIGHT: 14FT FILL MAX HEIGHT: 12 FT

LEGAL DESCRIPTION

PARCEL 1:  
THE WEST 10 ACRES OF LOT 16 IN BLOCK 16 OF THE SUBDIVISION OF THE "S" TRACT IN RANCHO EL CAJON, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF IN BOOK 170, PAGE 71 OF DEEDS, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAID SAN DIEGO COUNTY. EXCEPTING THEREFROM PARCELS A AND B DESCRIBED AS FOLLOWS:

PARCEL "A":  
BEGINNING AT THE NORTHWEST CORNER OF SAID LOT 16; THENCE NORTH 0 DEG 21' 40" EAST ALONG THE NORTHERLY PROLONGATION OF THE WEST LINE OF SAID LOT, 33 FEET TO THE INTERSECTION WITH THE CENTER LINE OF PEPPER DRIVE; THENCE ALONG SAID CENTER LINE, SOUTH 89 DEG 53' 50" EAST 94.63 FEET TO AN ANGLE POINT THEREIN; THENCE CONTINUING ALONG SAID CENTER LINE, SOUTH 64 DEG 03' EAST 104.38 FEET; THENCE SOUTH 0 DEG 21' 40" WEST 512.48 FEET TO POINT "A"; THENCE SOUTH 89 DEG 44' EAST 15 FEET; THENCE SOUTH 0 DEG 21' 40" WEST 160 FEET; THENCE NORTH 89 DEG 44' WEST 203.75 FEET TO THE WEST LINE OF SAID LOT; THENCE NORTHERLY ALONG SAID WEST LINE TO LINE TO THE POINT OF BEGINNING.

PARCEL "B":  
COMMENCING AT THE NORTHWEST CORNER OF SAID LOT 16; THENCE NORTH 0 DEG 21' 40" EAST ALONG THE NORTHERLY PROLONGATION OF THE WEST LINE OF SAID LOT, 33 FEET TO THE INTERSECTION WITH THE CENTER LINE OF PEPPER DRIVE; THENCE SOUTH 89 DEG 53' 50" EAST ALONG SAID CENTER LINE 94.63 FEET TO AN ANGLE POINT THEREIN; THENCE CONTINUING ALONG SAID CENTER LINE, SOUTH 64 DEG 03' EAST 136.74 FEET TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING ALONG SAID CENTER LINE, SOUTH 64 DEG 03' EAST 268.73 FEET TO THE INTERSECTION WITH THE NORTHERLY PROLONGATION OF THE EAST LINE OF THE WEST 10 ACRES OF SAID LOT 16; THENCE SOUTH 0 DEG 13' 40" WEST ALONG SAID NORTHERLY PROLONGATION AND SAID EAST LINE OF THE WEST 10 ACRES, A DISTANCE OF 325 FEET; THENCE NORTH 89 DEG 44' WEST 243.13 FEET TO AN INTERSECTION WITH A LINE WHICH BEARS SOUTH 0 DEG 21' 40" WEST FROM THE TRUE POINT OF BEGINNING; THENCE NORTH 0 DEG 21' 40" EAST 441.17 FEET TO THE POINT OF BEGINNING. ALSO EXCEPTING THEREFROM THAT PORTION OF LOT 16 IN BLOCK 16 OF THE SUBDIVISION OF THE "S" TRACT, IN RANCHO EL CAJON, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF IN BOOK 170, PAGE 71 OF DEEDS, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, DESCRIBED AS FOLLOWS:

PARCEL 2:  
AN EASEMENT FOR INGRESS AND EGRESS FOR ROAD PURPOSES OVER THAT PORTION OF EXCEPTION PARCEL A WHICH LIES EAST OF A LINE BEARING SOUTH 0 DEG 21' 40" WEST FROM POINT "A" ABOVE DESCRIBED.

PARCEL 3:  
AN EASEMENT FOR INGRESS AND EGRESS FOR ROAD AND UTILITY PURPOSES OVER, UNDER, ALONG AND ACROSS THOSE PORTIONS OF PARCEL MAP NO. 11467, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, JULY 9, 1981 AS INSTRUMENT NO. 81-216263 OF OFFICIAL RECORDS, WHICH ARE DELINEATED AND DESIGNATED ON SAID PARCEL MAP AS "PROPOSED PRIVATE ROAD EASEMENT" AND "PROPOSED PRIVATE ROAD AND UTILITY EASEMENT".

PARCEL 4:  
AN EASEMENT FOR INGRESS AND EGRESS FOR ROAD AND UTILITY PURPOSES OVER, UNDER, ALONG AND ACROSS THOSE PORTIONS OF PARCEL MAP NO. 11467, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, JULY 9, 1981 AS INSTRUMENT NO. 81-216263 OF OFFICIAL RECORDS, WHICH ARE DELINEATED AND DESIGNATED ON SAID PARCEL MAP AS "PROPOSED PRIVATE ROAD AND UTILITY EASEMENT", DISCLOSED BY EASEMENT GRANT DEED RECORDED MAY 08, 2014 AS INSTRUMENT NO. 2014-0187651 OF OFFICIAL RECORDS.

APN: 400-330-30-00

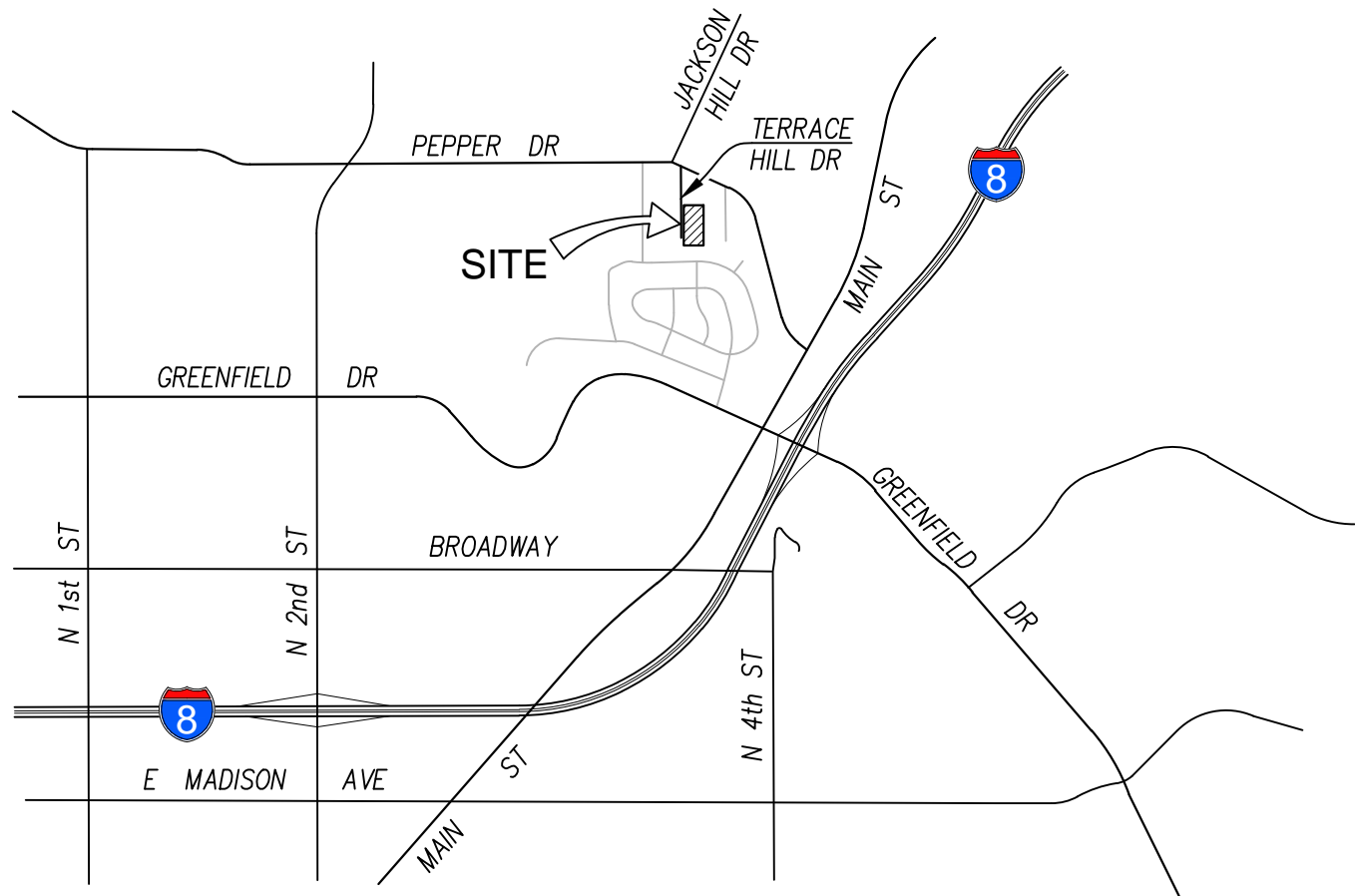
BENCHMARK

TOP OF CURB ON CURB RETURN AT N/W CORNER OF VIA CREST DR. & PEPPER HILL DR.  
RECORDED FROM: CITY OF EL CAJON VERTICAL CONTROL  
ELEV: 741.098 DATUM: USC&GS

SOURCE OF TOPOGRAPHY

FIELD SURVEY RECEIVED JANUARY 12, 2015.

PRELIMINARY GRADING PLAN  
"TERRACE HILL DRIVE"  
COUNTY OF SAN DIEGO TRACT NO. 5599  
County of San Diego, California



VICINITY MAP  
NOT TO SCALE  
THOMAS BROTHERS 1232 F5

EASEMENTS NOTES

ITEM #6 OF TITLE REPORT, AN EASEMENT FOR ROAD AND INCIDENTAL PURPOSES  
ITEM #7 OF TITLE REPORT, AN EASEMENT FOR PRIVATE ROAD, UTILITY AND INCIDENTAL PURPOSES

SOLAR ACCESS STATEMENT:

ALL UNITS WITHIN THIS SUBDIVISION HAVE A MINIMUM OF 100 SQ. FT. OF SOLAR ACCESS FOR EACH FUTURE DWELLING UNIT ALLOWED BY THIS SUBDIVISION.

STREET LIGHT STATEMENT:

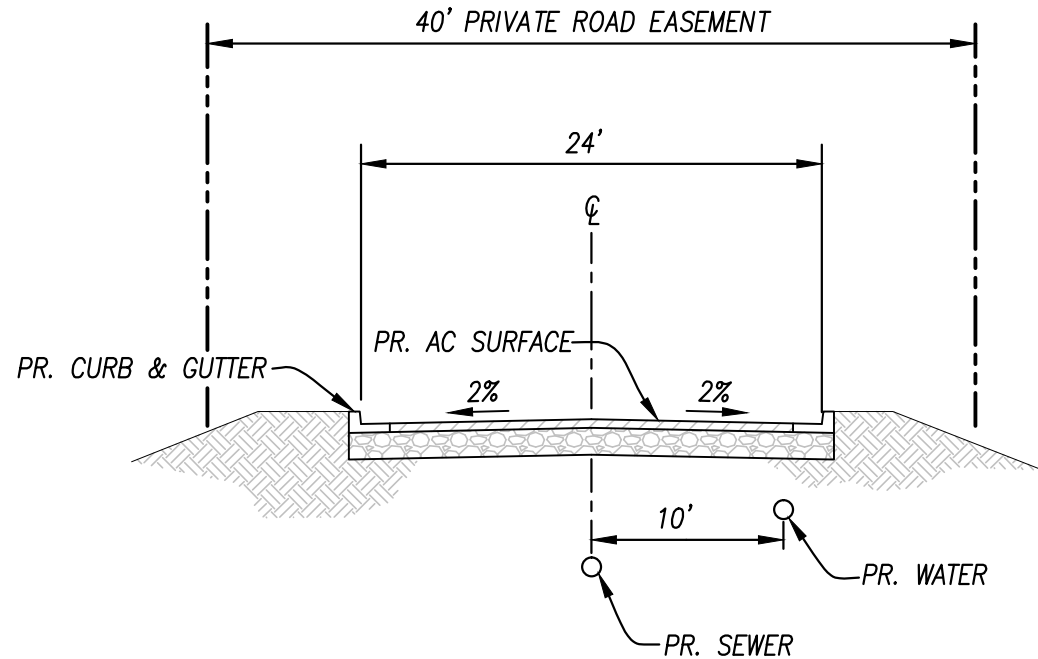
THE SUBDIVIDER INTENDS TO COMPLY WITH THE STREET LIGHT REQUIREMENTS AS SPECIFIED IN THE COUNTY STANDARDS. THIS SUBDIVISION IS PROPOSING ONLY PRIVATE STREETS.

PRELIMINARY GRADING NOTE:

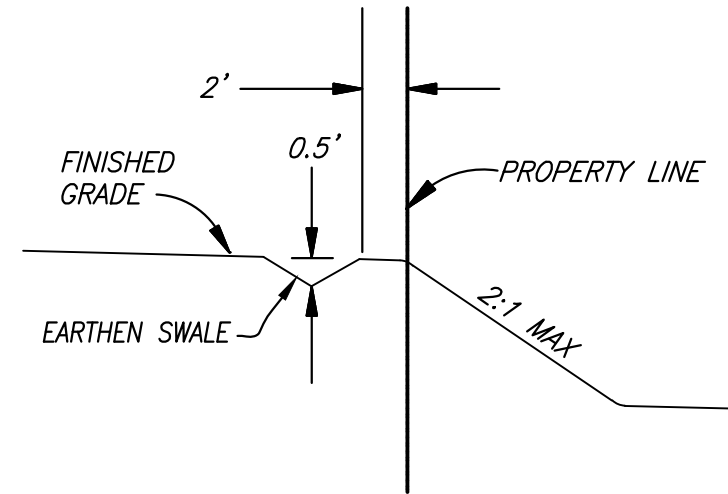
THIS PLAN IS PROVIDED TO ALLOW FOR FULL AND ADEQUATE DISCRETIONARY REVIEW OF A PROPOSED DEVELOPMENT PROJECT. THE PROPERTY OWNER ACKNOWLEDGES THAT ACCEPTANCE OR APPROVAL OF THIS PLAN DOES NOT CONSTITUTE AN APPROVAL TO PERFORM ANY GRADING SHOWN HEREON, AND AGREES TO OBTAIN VALID GRADING PERMISSIONS BEFORE COMMENCING SUCH ACTIVITY.

NOTE:

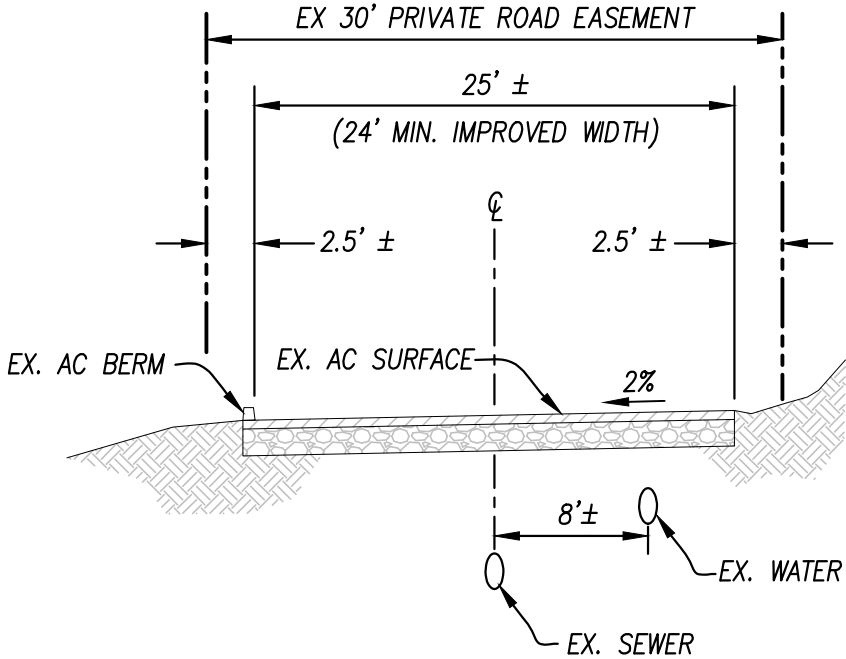
PRIOR TO ISSUANCE OF ANY BUILDING PERMIT, A GEOTECHNICAL STUDY SHALL BE SUBMITTED AND APPROVED BY THE DPLU BUILDING DIVISION. THE REPORT SHALL SPECIFY FOUNDATION DESIGNS, WHICH ARE ADEQUATE TO PRECLUDE SUBSTANTIAL DAMAGE TO THE PROPOSED STRUCTURE DUE TO LIQUEFACTION. THE REVIEW OF THE TECHNICAL STUDY SHALL BE BILLED AT A RATE OF TIME AND MATERIALS.



STREET 'A' CUL-DE-SAC DRIVE (PRIVATE)  
1" = 10'  
NO PARKING TO BE ALLOWED



TYPICAL EARTHEN SWALE SECTION  
SLOPE DETAIL AT LOT LINE  
NO SCALE



TERRACE HILL DRIVE  
EXISTING SECTION (PRIVATE RD)  
1" = 10'  
NO PARKING TO BE ALLOWED

LEGEND

- PROPOSED:
- R/W RIGHT-OF-WAY
  - P PROPERTY BOUNDARY
  - C CENTERLINE
  - L LOT LINE
  - E EASEMENTS
  - B BUILDING SETBACKS
  - PW PROPOSED WATER SERVICE
  - PS PROPOSED SEWER SERVICE
  - C/F CUT / FILL SLOPE
  - D DAYLIGHT LINE
  - C/F CUT/FILL LINE
  - P CON PROPOSED CONTOUR
  - RW RETAINING WALL PER C-2, C-3, C-4
  - PCC PCC BROW DITCH
  - E SW EARTHEN SWALE
  - S DR STORM DRAIN PIPE
  - C O CURB OUTLET PER D-25
  - B BOX BROOKS BOX
  - BMP BMP BASIN
  - S E SPOT ELEVATION
  - PAD PAD ELEVATION
  - RIP RIP-RAP PER D-40

EXISTING:

- C EXIST CONTOUR
- EX EX POWER POLE
- EX EX SEWER MAIN
- EX EX SEWER SERVICE
- EX EX WATER MAIN
- EX EX WATER SERVICE
- EX EX FIRE HYDRANT

SITE ADDRESS

0000 TERRACE HILL DRIVE  
EL CAJON, CA 92021

APPLICANT:

GREG BROWN  
565 N. MAGNOLIA AVENUE  
EL CAJON, CA 92020  
TEL: (619) 281-9264

GREG BROWN DATE

OWNER:

SKY TERRACE, L.P.  
1000 PIONEER WAY  
EL CAJON, CA 92020  
TEL: (619) 977-1552

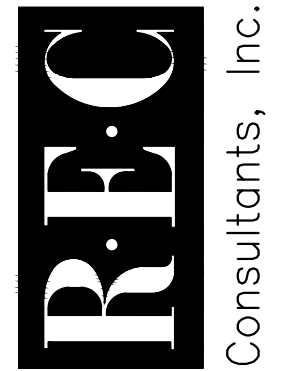
GREG BROWN DATE

ENGINEER OF WORK

REC CONSULTANTS, INC.  
2442 SECOND AVENUE  
SAN DIEGO, CA 92101  
PH. (619) 232-9200

BRUCE A. ROBERTSON R.C.E. 48529 DATE  
EXPIRES ON 6/30/18

Civil Engineering • Environmental  
2442 Second Avenue  
San Diego, CA 92101  
(619) 232-9200 (619) 232-9210 Fax

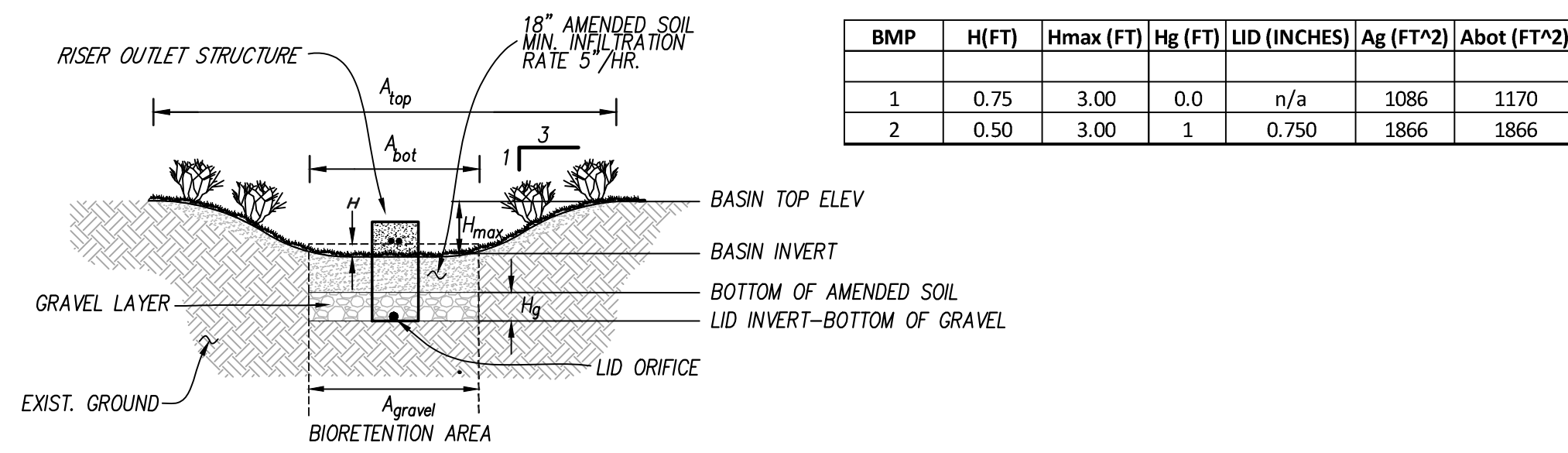


REVISIONS	DESCRIPTION	
	DATE	
BY		

JOB NO. XX-XX

PRELIMINARY GRADING PLAN  
"TERRACE HILL DRIVE"  
COUNTY OF SAN DIEGO TRACT NO. 5599  
County of San Diego, California

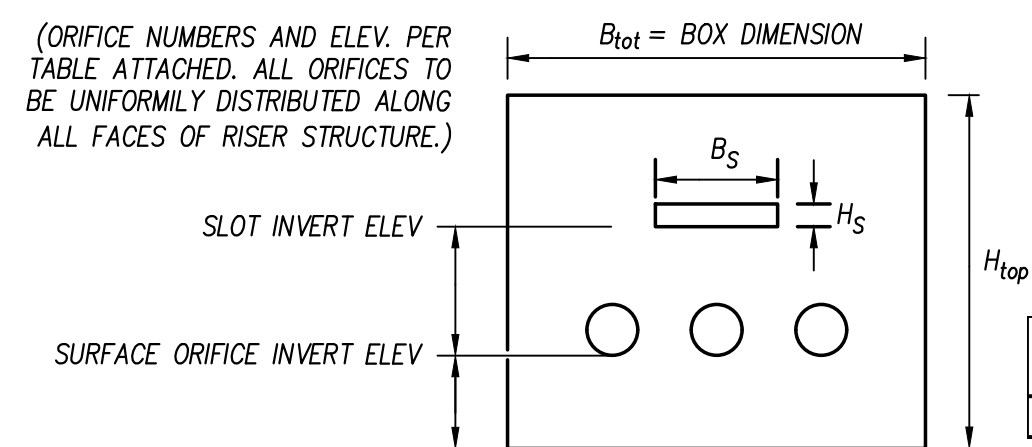




BMP	H(FT)	Hmax (FT)	Hg (FT)	LD (INCHES)	Ag (FT^2)	Abot (FT^2)
1	0.75	3.00	0.0	n/a	1086	1170
2	0.50	3.00	1	0.750	1866	1866

BIOFILTRATION AREA CROSS SECTION (TYP)

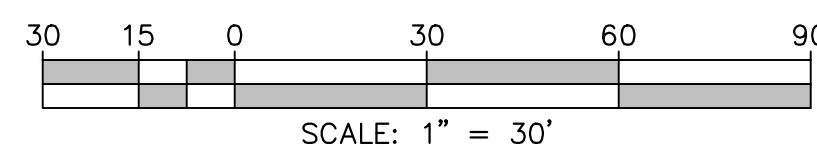
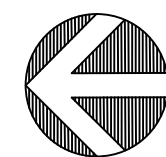
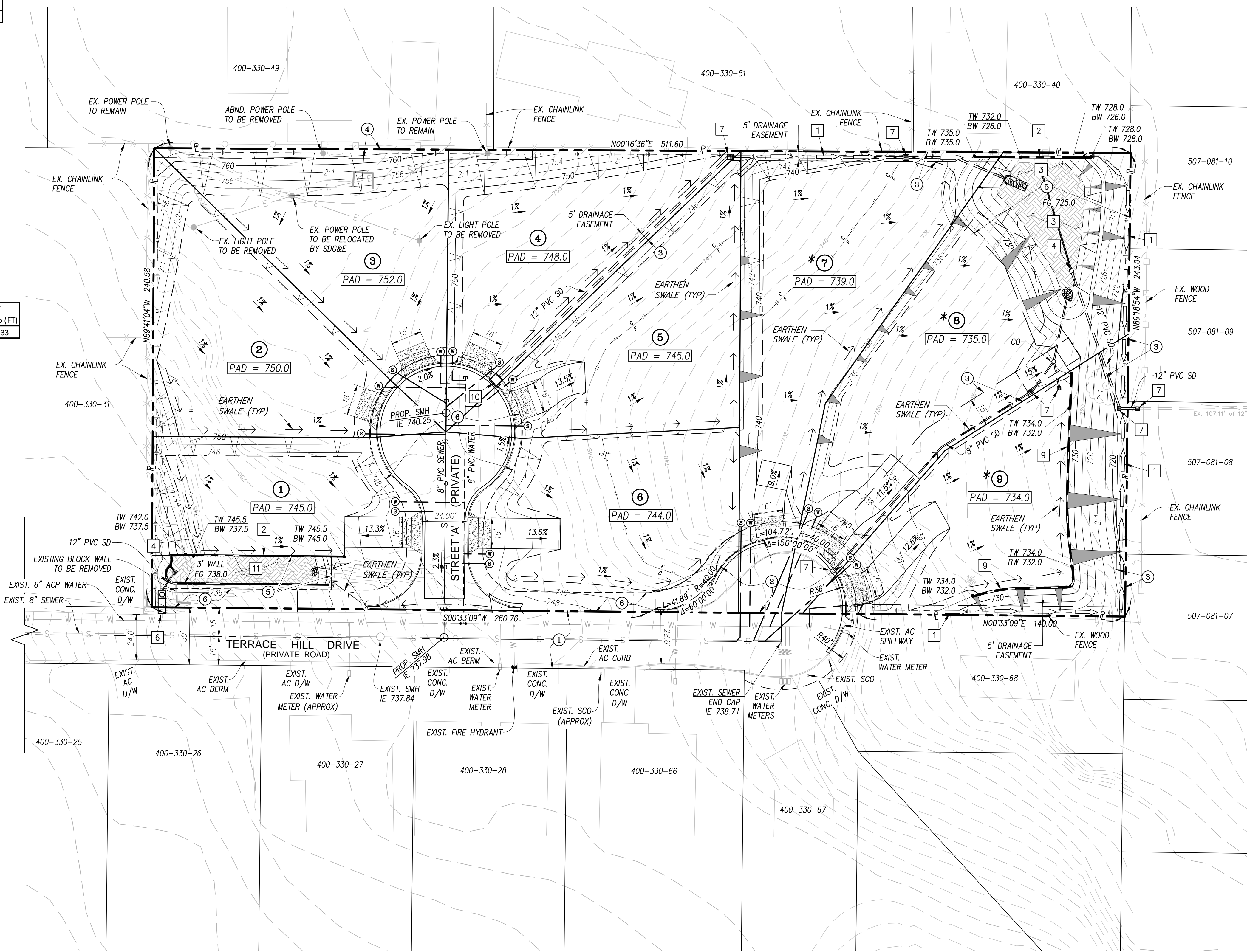
NOT TO SCALE



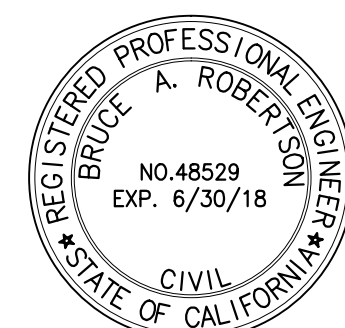
BASIN	SURFACE ORIFICE #/DIAM	ELEV (FT)	SLOT Bs (IN)	Hs (IN)	ELEV (FT)	SPILLWAY Btot (FT)	Htop (FT)
2	3-0.5"	0.5	24	2	1.75	8	2.33

BIOFILTRATION OUTLET STRUCTURE DETAIL BASIN 2 - SECTION (TYP)

NOT TO SCALE



ENGINEER OF WORK

BRUCE A. ROBERTSON  
EXPIRES ON 6/30/18

R.C.E. 48529

DATE

## CONSTRUCTION NOTES:

- 1 PROPOSED TYPE B BROW DITCH PER SDRSD D-75
- 2 PROPOSED 6"-6" MAX. MASONRY RETAINING WALL PER SDRSD C-3
- 3 PROPOSED BIOFILTRATION BASIN (BMP 2)
- 4 PROPOSED BMP CATCH BASIN
- 5 PROPOSED PRIVATE PVC STORM DRAIN PIPE, SIZE PER PLAN.
- 6 PROPOSED TYPE A CURB OUTLET PER SDRSD D-25
- 7 PROPOSED PRIVATE CATCH BASIN (BROOKS BOX)
- 8 PROPOSED PRIVATE TRENCH DRAIN
- 9 PROPOSED 2'-6" MAX. TYPE 'C' GRAVITY WALL PER SDRSD C-9
- 10 PROPOSED TYPE B CURB INLET WITH 5' OPENING PER SDRSD D-2.
- 11 PROPOSED BIORETENTION BASIN (BMP 1)

\* PROPOSED GRINDER &amp; PUMPED SEWER LOT

## EASEMENT NOTES

- 1 EXISTING EASEMENT FOR PRIVATE ROAD AND UTILITY PURPOSES, RECORDED JULY 13, 1980 AS INSTRUMENT NO. 80-188627 OF OFFICIAL RECORDS.
- 2 EXISTING EASEMENT FOR PRIVATE ROAD AND UTILITY PURPOSES, RECORDED JULY 10, 1980 AS INSTRUMENT NO. 80-217047 OF OFFICIAL RECORDS.
- 3 PROPOSED DRAINAGE AND MAINTENANCE ACCESS EASEMENT.
- 4 PROPOSED UTILITY EASEMENT.
- 5 PROPOSED BIORETENTION BASIN EASEMENT.
- 6 PROPOSED EASEMENT FOR PRIVATE ROAD AND UTILITY PURPOSES.

## SPECIFIC ENVIRONMENTAL CONDITION NOTES

**DURING CONSTRUCTION:** THE FOLLOWING ACTIONS SHALL OCCUR THROUGHOUT THE DURATION OF THE GRADING CONSTRUCTION.

**GP1. TEMPORARY CONSTRUCTION NOISE:** [DPW, PDC].

**INTENT:** IN ORDER TO MINIMIZE TEMPORARY CONSTRUCTION NOISE FOR GRADING OPERATIONS ASSOCIATED WITH THE PROJECT SUBDIVISION AND TO COMPLY WITH COUNTY NOISE ORDINANCE 36.409.

**DESCRIPTION OF REQUIREMENT:** THE PROJECT SHALL COMPLY WITH THE FOLLOWING TEMPORARY CONSTRUCTION NOISE CONTROL MEASURES.

**A. TURN OFF EQUIPMENT WHEN NOT IN USE.**

**B. EQUIPMENT USED IN CONSTRUCTION SHOULD BE MAINTAINED IN PROPER OPERATING CONDITION, AND ALL LOADS SHOULD BE PROPERLY SECURED, TO PREVENT RATTLING AND BANGING.**

**C. USE EQUIPMENT WITH EFFECTIVE MUFFLERS.**

**D. MINIMIZE THE USE OF BACK UP ALARM.**

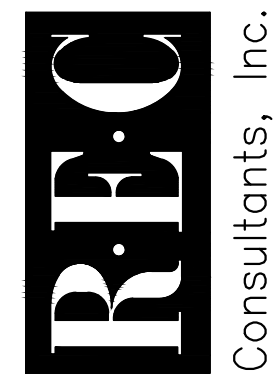
**E. EQUIPMENT STAGING AREAS SHOULD BE PLACED AT LOCATIONS AWAY FROM NOISE SENSITIVE RECEIVERS.**

**DOCUMENTATION:** THE APPLICANT SHALL COMPLY WITH THE TEMPORARY CONSTRUCTION NOISE MEASURES OF THIS CONDITION.

**TIMING:** THE FOLLOWING ACTIONS SHALL OCCUR THROUGHOUT THE DURATION OF THE GRADING CONSTRUCTION.

**MONITORING:** THE [DPW, PDC] SHALL MAKE SURE THAT THE GRADING CONTRACTOR COMPLIES WITH THE CONSTRUCTION NOISE CONTROL MEASURES OF THIS CONDITION. THE [DPW, PDC] SHALL CONTACT THE [PDS, PCC] IF THE APPLICANT FAILS TO COMPLY WITH THIS CONDITION.

Civil Engineering • Environmental  
2442 Second Avenue  
San Diego, CA 92101  
(619)232-9200 (619)232-9210 Fax



REVISIONS	DATE	DESCRIPTION
BY		

JOB NO. XX-XX

PRELIMINARY GRADING PLAN  
"TERRACE HILL DRIVE"  
COUNTY OF SAN DIEGO TRACT NO. 5599  
County of San Diego, California

SHEET NO.  
2 OF 3



EROSION CONTROL NOTES

- ALL BUILDING PADS TO BE DIKED AND THE DIKES MAINTAINED TO PREVENT WATER FROM FLOWING FROM THE PAD UNTIL THE STREETS AND DRIVEWAYS ARE PAVED AND WATER CAN FLOW FROM THE PADS WITHOUT CAUSING EROSION. OR CONSTRUCT DRAINAGE FACILITIES TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING EROSION.
- TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.
- MANUFACTURED SLOPES AND PADS SHALL BE ROUNDED VERTICALLY AND HORIZONTALLY AS APPROPRIATE TO BLEND WITH THE SURROUNDING TOPOGRAPHY.
- AS SOON AS CUTS OR EMBANKMENTS ARE COMPLETED, BUT NOT LATER THAN OCTOBER 1 ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITH A HYDROMULCH MIXTURE OR AN EQUAL TREATMENT APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS BETWEEN OCTOBER 1 AND APRIL 15. APPROVED SLOPE PROTECTION MEASURES SHALL PROCEED IMMEDIATELY BEHIND THE EXPOSURE OF CUT SLOPES AND/OR THE CREATION OF EMBANKMENT SLOPES.
- CATCH BASINS, DESILTING BASINS AND STORM DRAIN SYSTEM SHALL BE INSTALLED TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS.
- SAND BAG CHECK DAMS TO BE PLACED IN A MANNER APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS IN UNPAVED STREETS WITH GRADIENTS IN EXCESS OF 2% AND ON OR IN OTHER GRADED OR EXCAVATED AREAS AS REQUIRED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS.
- THE DEVELOPER TO MAINTAIN THE PLANTING AND EROSION CONTROL MEASURES DESCRIBED ABOVE UNTIL RELIEVED OF THE SAME BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. THE DEVELOPER TO REMOVE ALL SOIL INTERCEPTED BY THE SAND BAGS, CATCH BASINS AND DESILTING BASINS AND KEEP THESE FACILITIES CLEAN AND FREE OF SILT AND SAND AS DIRECTED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. THE DEVELOPER SHALL REPAIR ANY ERODED SLOPES AS DIRECTED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS.

SILTATION AND SEDIMENT CONTROL MEASURES NOTES

- THE SEDIMENT BASINS SHALL BE PROVIDED AT THE LOWER END OF EVERY DRAINAGE AREA PRODUCING SEDIMENT RUNOFF. THE BASINS SHALL BE MAINTAINED AND CLEANED TO DESIGN SPECIFICATIONS AFTER EVERY PRODUCE STORM. THE BASINS SHOULD BE SEMI-PERMANENT STRUCTURES THAT WOULD REMAIN UNTIL SOIL STABILIZING VEGETATION HAS BECOME WELL ESTABLISHED ON ALL ERODIBLE SLOPES.
- SEDIMENTATION BASINS MAY NOT BE REMOVED OR MADE INOPERATIVE WITHOUT PRIOR APPROVAL OF THE COUNTY ENGINEER.
- SEWER OR STORM DRAIN TRENCHES THAT ARE CUT THROUGH BASIN DIKES OR BASIN INLET DIKES SHALL BE PLUGGED WITH SANDBAGS FROM TOP OF PIPE TO TOP OF DIKE.
- ALL UTILITY TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS WITH A DOUBLE ROW OF SANDBAGS WITH A TOP ELEVATION TWO SANDBAGS BELOW THE GRADED SURFACE OF THE STREET. SANDBAGS ARE TO BE PLACED WITH LAPPED COURSES. THE INTERVALS PRESCRIBED BETWEEN SANDBAG BLOCKING SHALL DEPEND ON THE SLOPE OF THE GROUND SURFACE BUT NOT TO EXCEED THE FOLLOWING:

GRADE OF THE STREET	INTERVAL
LESS THAN 2%	AS REQUIRED
2% TO 4%	100 FEET
4% TO 10%	50 FEET
OVER 10%	25 FEET

- AFTER SEWER UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDING SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCH AREA. CARE SHOULD BE EXERCISED TO PROVIDE FOR CROSS FLOW AT FREQUENT INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A CROWNED STREET.
- ALL BUILDING PADS SHOULD BE SLOPED TOWARDS THE DRIVEWAYS AND VELOCITY CHECK DAMS PROVIDED AT THE BASE OF ALL DRIVEWAYS DRAINING INTO THE STREET.
- PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED GRADED CHANNELS AT THE INTERVALS INDICATED BELOW:

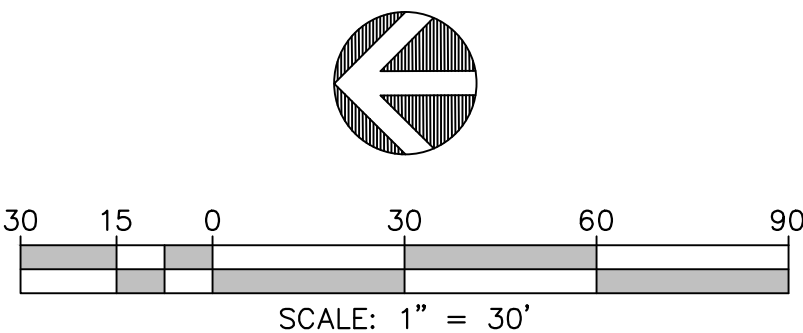
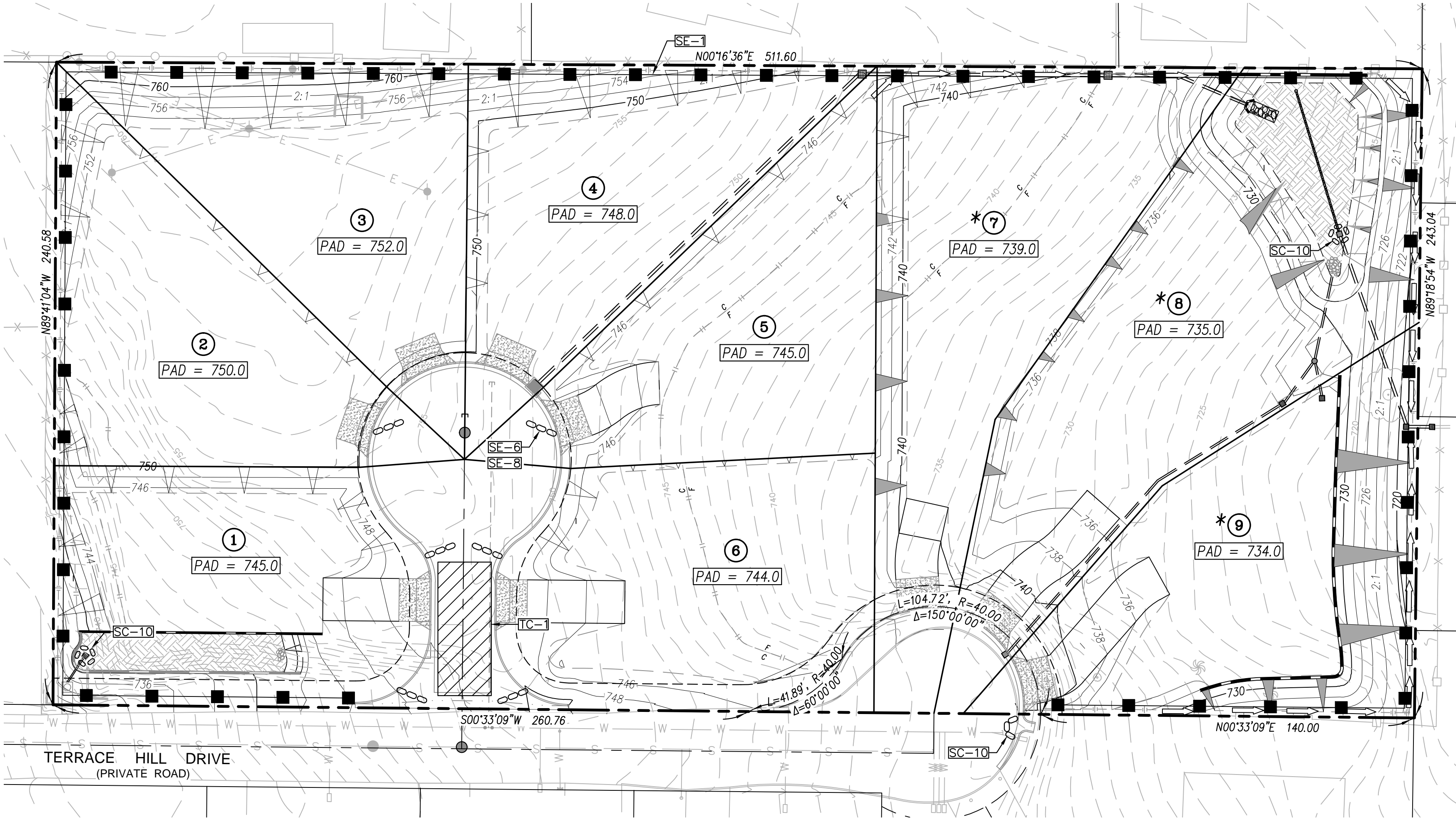
GRADE OF CHANNEL	INTERVALS BETWEEN CHECK DAMS
LESS THAN 3%	100 FEET
3% TO 6%	50 FEET
OVER 6%	25 FEET

- PROVIDE VELOCITY CHECK DAMS IN ALL PAVED STREET AREAS ACCORDING TO RECOMMENDED CRITERIA INDICATED ON THE ENCLOSED GRAPH ENTITLED "SANDBAG BARRIER SPACING FOR EROSION CONTROL IN GRADED STREETS". VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF SANDBAGS, TIMBER, OR OTHER EROSION RESISTANT MATERIALS APPROVED BY THE COUNTY ENGINEER, AND SHALL EXTEND COMPLETELY ACROSS THE STREET OR CHANNEL AT RIGHT ANGLES TO THE CENTERLINE. VELOCITY CHECK DAMS MAY ALSO SERVE AS SEDIMENT TRAPS.
- PROVIDE A SANDBAG SILT BASIN OR TRAP BY EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING DRAIN SYSTEM.
- SANDBAGS AND FILL MATERIAL SHALL BE STOCKPILED AT INTERVALS, READY FOR USE WHEN REQUIRED.
- ALL EROSION CONTROL DEVICES WITHIN THE DEVELOPMENT SHOULD BE MAINTAINED DURING AND AFTER EVERY RUNOFF PRODUCING STORM, IF POSSIBLE, MAINTENANCE CREWS WOULD BE REQUIRED TO HAVE ACCESS TO ALL AREAS.
- PROVIDE ROCK RIPRAP ON CURVES AND STEEP DROPS IN ALL EROSION PRONE DRAINAGE CHANNELS DOWNSTREAM FROM THE DEVELOPMENT. THIS PROTECTION WOULD REDUCE EROSION CAUSED BY THE INCREASED FLOWS THAT MAY BE ANTICIPATED FROM DENUDED SLOPES, OR FROM IMPERVIOUS SURFACES.
- ANY PROPOSED ALTERNATE CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY ALL RESPONSIBLE AGENCIES; I.E., COUNTY ENGINEER, DEPARTMENT OF SANITATION AND FLOOD CONTROL, OFFICE OF ENVIRONMENTAL MANAGEMENT, ETC.



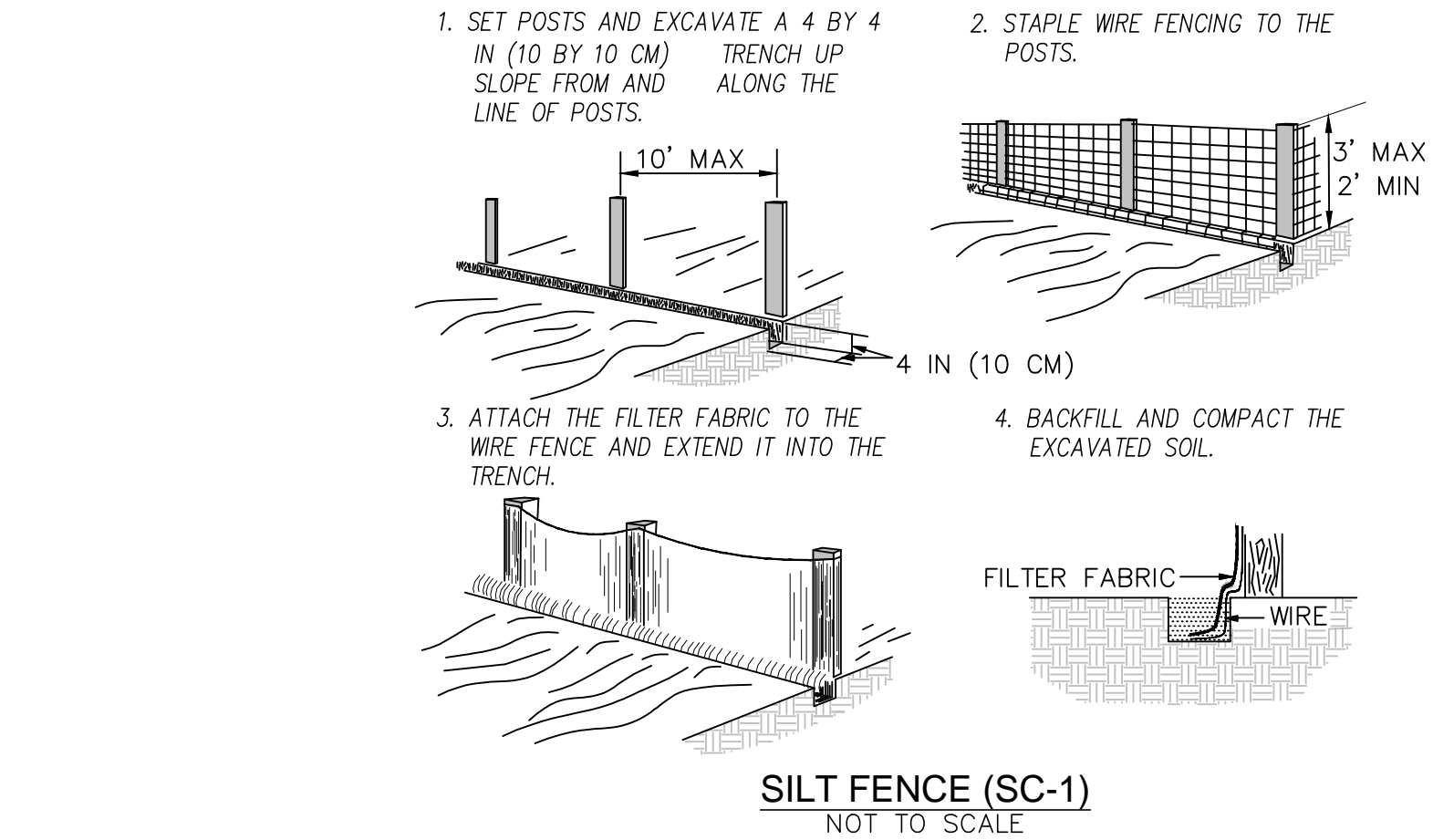
ENGINEER OF WORK

BRUCE A. ROBERTSON R.C.E. 48529 DATE

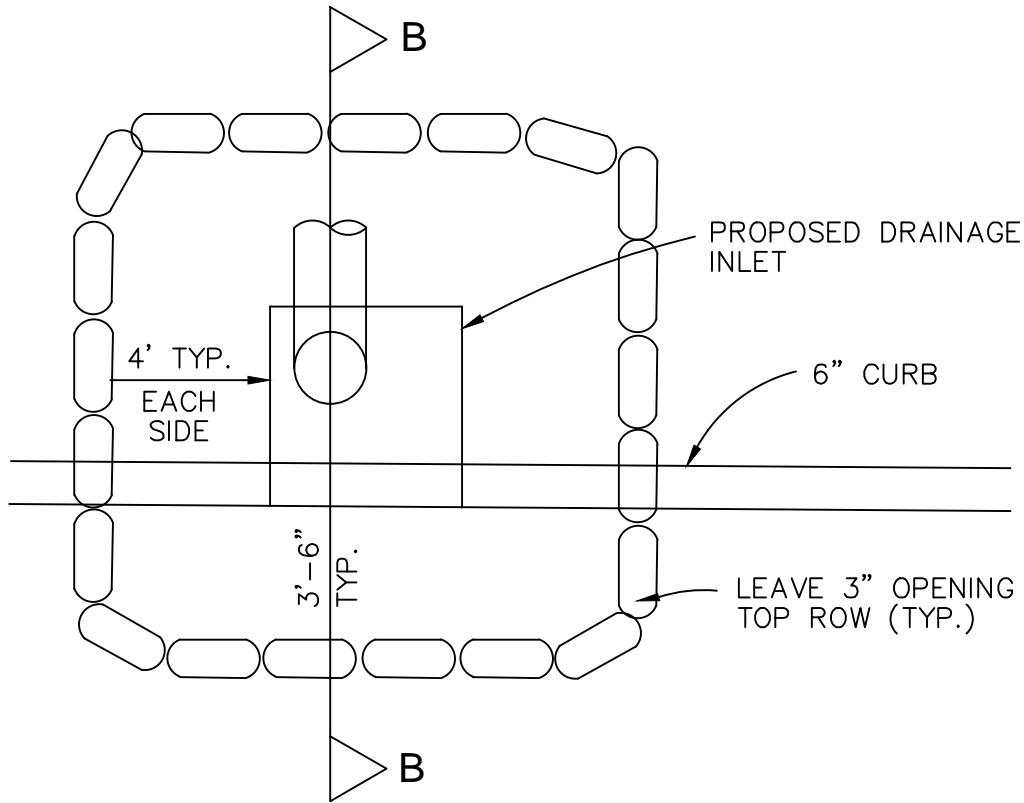


STORMWATER PROTECTION NOTES

- DURING THE RAINY SEASON THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE ADEQUATELY PROTECTED BY THE PROPERTY OWNER IN THE EVENT OF A RAINSTORM. 125% OF ALL SUPPLIES NEEDED FOR BMP MEASURES SHALL BE RETAINED ON THE JOB SITE IN A MANNER THAT ALLOWS FULL DEPLOYMENT AND COMPLETE INSTALLATION IN 48 HOURS OR LESS OF A FORECAST RAIN.
- NO AREA BEING DISTURBED SHALL EXCEED 50 ACRES AT ANY GIVEN TIME WITHOUT DEMONSTRATING TO THE SAN DIEGO COUNTY DPW DIRECTOR'S SATISFACTION THAT ADEQUATE EROSION AND SEDIMENT CONTROL CAN BE MAINTAINED. ANY DISTURBED AREA THAT IS NOT ACTIVELY GRADED FOR 15 DAYS MUST BE FULLY PROTECTED FROM EROSION. UNTIL ADEQUATE LONG-TERM PROTECTIONS ARE INSTALLED, THE DISTURBED AREA SHALL BE INCLUDED WHEN CALCULATING THE ACTIVE DISTURBANCE AREA. ALL EROSION CONTROL MEASURES SHALL REMAIN INSTALLED AND MAINTAINED DURING ANY INACTIVE PERIOD.
- THE PROPERTY OWNER IS OBLIGATED TO INSURE COMPLIANCE WITH ALL APPLICABLE STORMWATER REGULATIONS AT ALL TIMES. THE BMP'S (BEST MANAGEMENT PRACTICES) THAT HAVE BEEN INCORPORATED INTO THIS PLAN SHALL BE IMPLEMENTED AND MAINTAINED TO EFFECTIVELY PREVENT THE POTENTIALLY NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORMWATER QUALITY. THE MAINTENANCE OF THE BMP'S IS THE PERMITTEE'S RESPONSIBILITY, AND FAILURE TO PROPERLY INSTALL OR MAINTAIN THE BMP'S MAY RESULT IN ENFORCEMENT ACTION BY THE COUNTY OF SAN DIEGO OR OTHERS. IF INSTALLED BMP'S FAIL, THEY MUST BE REPAIRED OR REPLACED WITH AN ACCEPTABLE ALTERNATE WITHIN 24 HOURS, OR AS SOON AS SAFE TO DO SO.
- ON PROJECTS OF GREATER THAN 1 ACRE ADD THE FOLLOWING NOTE: A NOTICE OF INTENT (NOI) HAS BEEN, OR WILL BE FILED WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) AND THAT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN OR WILL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF CALIFORNIA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (PERMIT NO. CAS000002) FOR ALL OPERATIONS ASSOCIATED WITH THESE PLANS. THE NOI NUMBER ASSIGNED BY SWRCB FOR THIS PROJECT IS [NOI04] [ALTERNATIVE: NOT YET ASSIGNED, BUT WILL BE PROVIDED BEFORE A PERMIT IS ISSUED]. THE PERMITTEE SHALL KEEP A COPY OF THE SWPPP ON SITE AND AVAILABLE FOR REVIEW BY COUNTY.

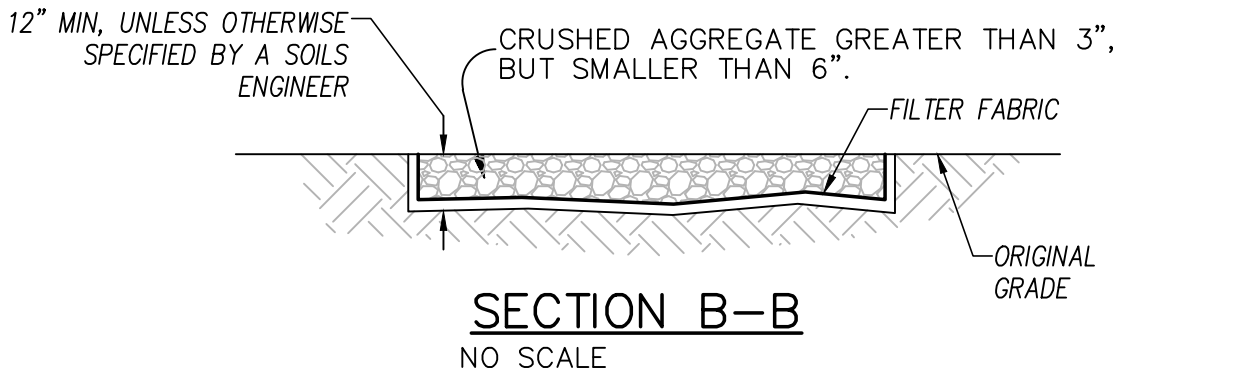


GRAVEL BAGS (SC-6, SC-8) NOT TO SCALE

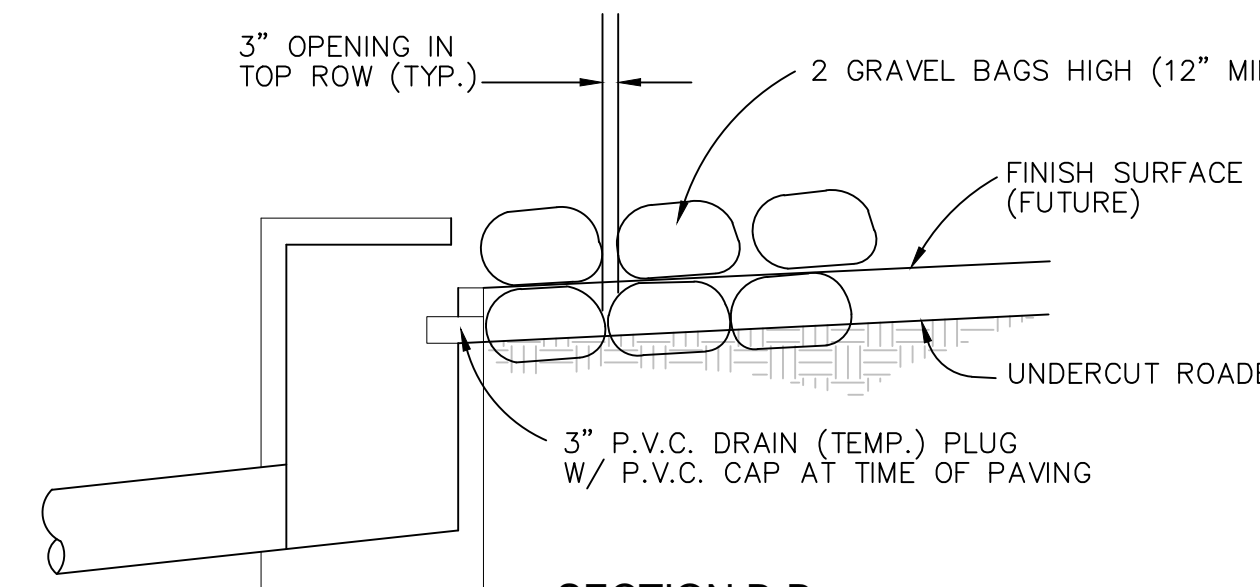


STORM DRAIN INLET PROTECTION (SC-10) NOT TO SCALE

ITEM	CALTRANS #	SYMBOL
RIPRAP ENERGY DISSIPATOR	SS-10	[Symbol]
SILT FENCE	SE-1	[Symbol]
STORM DRAIN INLET PROTECTION	SE-10	[Symbol]
GRAVEL BAGS	SE-6, SE-8	[Symbol]
DRAINAGE SWALE		[Symbol]
CHECK DAMS	SC-4	[Symbol]
STABILIZED CONSTRUCTION ENTRANCE	TC-1	[Symbol]
FIBER ROLL:	SE-5	FR FR
MATERIAL DELIVERY & STORAGE:	WM-1	[Symbol]
STOCKPILE MANAGEMENT:	WM-3	[Symbol]
SPILL PREVENTION AND CONTROL:	WM-4	[Symbol]
SOLID WASTE MANAGEMENT:	WM-5	[Symbol]
HAZARDOUS WASTE MANAGEMENT:	WM-6	[Symbol]
CONCRETE WASTE MANAGEMENT:	WM-8	[Symbol]
SANITARY WASTE MANAGEMENT:	WM-9	[Symbol]
WATER CONSERVATION PRACTICES:	NS-1	[Symbol]
DEWATERING OPERATIONS:	NS-2	[Symbol]
PAVING AND GRINDING OPERATIONS:	NS-3	[Symbol]
VEHICLE AND EQUIPMENT MAINT.	NS-10	[Symbol]
STREET SWEEPING AND VACUUMING:	SE-7	[Symbol]
HYDRAULIC MULCH:	SS-3	[Symbol]
HYDROSEEDING:	SS-4	[Symbol]
PAD STABILIZATION:	SS-5	[Symbol]
STRAW MULCH:	SS-6	[Symbol]



STABILIZED CONSTRUCTION ENTRANCE (TC-1) NOT TO SCALE



SECTION B-B NOT TO SCALE

- NOTES:
- PRIOR TO FINAL GRADING INSPECTION, CLEAN ALL EXIST. P.C.C. DITCHES AND REPAIR AS REQUIRED BY COUNTY INSPECTOR.

REVISIONS	DESCRIPTION
BY	DATE

JOB NO. XX-XX